

# technical data

**FHQ-BU** 



Ceiling Suspended Unit



air conditioning systems

Split Sky Air

# Split - Sky Air



ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment



Daikin units comply with the European regulations that guarantee the safety of the product.



Daikin Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.



Daikin Europe N.V. participates in the Eurovent Certification Programme for Air Conditioners (AC), Liquid Chilling Packages (LCP) and Fan Coil Units (FC); the certified data of certified models are listed in the Eurovent Directory.

Specifications are subject to change without prior notice.

### DAIKIN EUROPE N.V.

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<sup>\*</sup> For capacity tables, please refer to part II: outdoor units

### 1 Features





- Leaves maximum floor and wall space for furniture, decoration and fittings
- Compact casing (only 960mm width)
- Extremely quiet in operation both indoors and outdoors
- Automatic air flow director ensures uniform air flow and temperature distribution
- Air flow distribution for ceilling heights up to 3.8m without loss of capacity
- Up to 4 indoor units can be connected to 1 Multi outdoor unit. All indoor units are individually controllable with remote control and do not need to be installed in the same room. They operate simultaneously within the same cooling or heating mode.
- Daikin remote controls give you easy control at your fingertips.
- The wired remote control provides you with a schedule timer, enabling to program the air conditioning daily or weekly.
- The optional remote ON/OFF enables you to start/stop the air conditioning from a mobile phone via a telephone remote control (field supply).
- The optional forced OFF enables you to switch off the unit automatically. E.g. when a window is opened, the unit switches off
- The 'home leave' operation button prevents large temperature differences by continuously operating at a minimum (heating mode) or maximum (cooling mode) preset level while you're out or sleeping. It also allows the indoor temperature to return quickly to your favourite comfort level.





































2 step



NOMINAL CAPACITY and NOMINAL INPUT									
For indoor units only	For indoor units only:								
INDOOR UNITS			FHQ35BUV1B	FHQ50BUV1B	FHQ60BUV1B				
NOMINAL INPUT	Cooling	kW	-	-	-				
	Heating kW		0.111		0.115				

For combination indoor units + outdoor units:											
INDOOR UNITS				FHQ35BUV1B	FHQ50BUV1B	FHQ60BUV1B	FHQ50BUV1B	FHQ60BUV1B			
OUTDOOR UNITS				RKS35DVMB	RKS50BVMB	RKS60BVMB	RS50BVMB	RS60BVMB			
CAPACITY (3)	min.~nom.~max.	Cooling (1)	kW	1.4~3.4~3.7	0.90~5.00~5.60	0.90~5.70~6.00	5.00 (nom.)	5.70 (nom.)			
INPUT	min.~nom.~max.	Cooling	kW	0.30~1.21~1.50	0.45~1.83~2.02	0.44~2.15~2.23	1.83 (nom.)	2.15 (nom.)			
EER				2.81	2.73	2.65	2.73	2.65			
ENERGY LABEL	Cooling			С	D	D	D	D			
ANNUAL ENERGY CONSUMPTION	Cooling		kWh	605	915	1,075	915	1,075			

For combination i	ndoor units + outdoor (	units:				
INDOOR UNITS				FHQ35BUV1B	FHQ50BUV1B	FHQ60BUV1B
OUTDOOR UNITS				RXS35DVMB	RXS50BVMB	RXS60BVMB
CAPACITY (3)	min.~nom.~max.	Cooling (1)	kW	1.4~3.4~3.7	0.90~5.00~5.60	0.90~5.70~6.00
	min.~nom.~max.	Heating (2)	kW	1.4~4.1~5.0	0.90~6.00~7.00	0.90~7.20~8.00
INPUT	min.~nom.~max.	Cooling	kW	0.30~1.21~1.50	0.45~1.83~2.02	0.44~2.15~2.23
	min.~nom.~max.	Heating	kW	0.29~1.18~1.62	0.36~2.05~2.45	0.40~2.49~2.75
EER				2.81	2.73	2.65
COP				3.47	2.93	2.89
ENERGY LABEL	Cooling			С	D	D
	Heating	Heating			D	D
ANNUAL ENERGY CONSUMPTION	Cooling		kWh	605	915	1,075

<sup>-</sup> Information is not available.



NOMINAL CAPACITY and NOMINAL INPUT										
For indoor units or	For indoor units only:									
INDOOR UNITS			FHQ71BUV1B	FHQ100BUV1B	FHQ125BUV1B					
NOMINAL INPUT	Cooling	kW	-	-	-					
	Heating	kW	0.117	0.135	0.144					

For combination ind INDOOR UNITS	ooi uiiits + outdoor	uiiitS.		FIIO74DIIV4D	FUO400DUIV4D	FUO12FBUV4B
OUTDOOR UNITS				FHQ71BUV1B RR71B7V3B/RR71B7W1B	FHQ100BUV1B RR100B7V3B/RR100B7W1B	FHQ125BUV1B RR125B7W1B
	Cli (1)	l a control	LAAZ		9.8	
NOMINAL CAPACITY (3)	Cooling (1)	nominal	kW	7.1	***	12.2
NOMINAL INPUT	Cooling	nominal	kW	2.70/2.65	3.75/3.68	4.51
EER				2.63/2.68	2.61/2.66	2.71
ENERGY LABEL	Cooling		Trees	D/D	D/D	D
Annual Energy Consumption	Cooling		kWh	1,350/1,325	1,875/1,840	2,255
INDOOR UNITS				FHQ71BUV1B	FHQ100BUV1B	FHQ125BUV1B
OUTDOOR UNITS				RQ71B7V3B/RQ71B7W1B	RQ100B7V3B/RQ100B7W1B	RQ125B7W1B
NOMINAL CAPACITY (3)	Cooling (1)	nominal	kW	7.1	9.8	12.2
İ	Heating (2)	nominal	kW	8	11.2	14.5
NOMINAL INPUT	Cooling	nominal	kW	2.70/2.65	3.75/3.68	4.51
	Heating	nominal	kW	2.85/2.80	4.12/4.01	5.16
EER		<u> </u>	_	2.63/2.68	2.61/2.66	2.71
COP				2.81/2.86	2.71/2.79	2.81
ENERGY LABEL	Cooling			D/D	D/D	D
	Heating			D/D	F/F	D
ANNUAL ENERGY	Cooling		kWh	1,350/1,325	1,875/1,840	2,250
CONSUMPTION			1,530/1,525	1,073/1,040	2,230	
INDOOR UNITS				FHQ71B7V3B	FHQ100B7V3B	FHQ125B7V3B
OUTDOOR UNITS				REQ71B7V3B/B7W1B	REQ100B7V3B/B7W1B	REQ125B7V3B/B7W1B
NOMINAL CAPACITY	Cooling	nominal	kW	7.10	9.80	12.20
	Heating	nominal	kW	8.00	11.20	14.50
NOMINAL INPUT	Cooling	nominal	kW	2.7/2.65	3.77/3.68	4.51
	Heating	nominal	kW	2.85/2.8	4.14/4.03	5.16
EER		-		2.63/2.68	2.60/2.66	2.705
COP				2.81/2.86	2.705/2.78	2.81
ENERGY LABEL	Cooling			D/D	D/D	D
	Heating			D/D	E/E	D
ANNUAL ENERGY CONSUMPTION	Cooling		kWh	1,350/1,325	1,885/1,840	2,255
INDOOR UNITS				FHQ71BUV1B	FHQ100BUV1B	FHQ125BUV1B
OUTDOOR UNITS				RZQ71B8V3B	RZQ100B8V3B/B7W1B	RZQ125B8V3B/B7W1B
CAPACITY (3)	min.~nom.~max.	Cooling (1)	kW	3.20~7.10~8.02	5.00~10.00~11.20	5.75~12.50~14.00
	min.~nom.~max.	Heating (2)	kW	3.52~8.00~9.04	5.15~11.20~12.77	6.02~14.00~16.24
INPUT	nominal	Cooling	kW	2.47	3.16	4.45
	nominal	Heating	kW	2.78	3.60	4.50
EER	1		1 •	2.88	3.17	2.81
COP				2.88	3.11	3.11
ENERGY LABEL	Coolina			C C	B B	(
ENERGY DIDEL	Heating			D	D	D
ANNUAL ENERGY CONSUMPTION	Cooling		kWh	1,233	1,578	2,224

<sup>\*</sup> Combination only available in Portugal, Cyprus, Greece and Malta. - Information is not available.



For indoor units onl	у.			FUO3EDUNAS	FUOFABLINGS	FUOCODINA	
INDOOR UNITS	T., .	T.,		FHQ35BUV1B	FHQ50BUV1B	FHQ60BUV1B	
DIMENSIONS	Unit	Н	mm		195		
		W	mm	96	• •	1,160	
		D	mm		680		
WEIGHT	Unit		kg	24	25	27	
COLOUR	Unit				White		
Sound Level	Sound pressure	high	dB(A)	37/37	38/38	39/38	
	(cooling/heating) (3)	low	dB(A)	32/32	33/33	33/33	
	Sound power	high	dB(A)	53/53	54/54	55/54	
	(cooling/heating) (4)	low	dB(A)	48/48	49/49	49/49	
FAN	Air flow rate	high	m³/min	13/13		17/16	
	(cooling/heating)	low	m³/min	10/10		13/13	
	Speed	Speed steps			2steps		
	Type	1		Sirocco fan			
	Qty x motor output		W	1 x 62			
HEAT EXCHANGER	Туре			Cross fin coil (Multi louver fins and N-HiX tubes)			
	Rows x stages x fin pitch		mm	2 x 12 x 1.75	3 x 12 x 1 75	2 x 12 x 1 75	
	Face area		m <sup>2</sup>	0.182 0.233			
PIPING CONNECTIONS	<u> </u>	liquid	mm		Ф6.4		
		gas	mm	Ф9.5	φ.	12.7	
		drain I.D.	mm	·	Ф20 (VP20)		
		drain O.D.	mm		Ф26 (VP20)		
Insulation Material	Heat insulation	1		Foamed	polystyrene / Foamed poly	vethylene	
	Sound absorbing insulation			Foamed polyarethane/Glass wool			

ers MKS-D, MXS-D, RMXS-D
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TECHNICAL SPEC	CIFICATIONS						
For indoor units on	ly:						
INDOOR UNITS	-			FHQ71BUV1B	FHQ100BUV1B	FHQ125BUV1B	
DIMENSIONS	Unit	Н	mm		195		
		W	mm	1,160	1,400	1,590	
		D	mm		680		
WEIGHT	Unit		kg	27	32	35	
COLOUR	Unit				White		
SOUND LEVEL	Sound pressure	high	dB(A)	39	42	44	
	(cooling/heating) (3)	low	dB(A)	35	37	39	
	Sound power (cooling/heating) (4)	high	dB(A)	55	58	60	
		low	dB(A)	51	53	55	
FAN	Air flow rate (cooling/heating)	high	m <sup>3</sup> /min	17	24	30	
		low	m³/min	14	20	25	
	Speed steps			2 steps			
	Туре			Sirocco fan			
	Qty x motor output W			1 x 62 1 x 130			
HEAT EXCHANGER	Туре			Cross fin coil (Multi louver fins and N-HiX tubes)			
	Rows x stages x fin pitch		mm	3 x 12 x 1.75			
	Face area		m <sup>2</sup>	0.182	0.293	0.341	
PIPING CONNECTIONS		liquid	mm		Ф9.5		
		gas	mm		Ф15.9		
		drain I.D.	mm		ф20 (VP20)		
		drain O.D.	mm		Ф26 (VP20)	·	
Insulation Material	Heat insulation				polystyrene / Foamed poly		
	Sound absorbing insulation	•	•	Fo	amed polyurethane/Glass w	vool	

For outdoor units	Pair application	See chapter RR-B7, RQ-B7, REQ-B7, RZQ-B
only:		·



ELECTRICAL SPECIFICATIONS										
For indoor units	only:			FHQ35BUV1B	FHQ50BUV1B	FHQ60BUV1B				
CURRENT	Nominal running current	cooling/heating	А	See chapters RS-B + RKS-D/B + RXS-D/B						
	Max. running current	Nax. running current cooling/heating A See chapters RS-B -				RXS-D/B				

For combination indoor units + outdoor units:			FHQ35BUV1B RKS35DVMB	FHQ50BUV1B RKS50BVMB	FHQ60BUV1B RKS60BVMB	FHQ50BUV1B RS50BVMB	FHQ60BUV1B RS60BVMB		
CURRENT	Nominal running current	cooling	Α	See chapter RKS-D/B			See chapter RS-B		
	Maximum running current	cooling	A	See chapter RKS-D/B		See chapter RKS-D/B See chapter RS-		oter RS-B	
	Starting current	cooling	A		See chapter RKS-D/B		See char	oter RS-B	

For combination	indoor units + outdoor units	<b>5:</b>		FHQ35BUV1B RXS35DVMB	FHQ50BUV1B RXS50BVMB	FHQ60BUV1B RXS60BVMB
CURRENT	Nominal running current	cooling/heating	A	See chapter RXS-D/B		
	Maximum running current	cooling/heating	A	See chapter RXS-D/B		
	Starting current	cooling/heating	А		See chapter RXS-D/B	

For indoor units only:			FHQ35BUV1B	FHQ50BUV1B	FHQ60BUV1B
POWER SUPPLY			V1	V1	V1
NOMINAL DISTRIBUTION	Phase		1~	1~	1~
System voltage	Frequency	Hz	50	50	50
	Voltage	V	220-240	220-240	220-240



<b>ELECTRICAL SPECI</b>	FICATIONS						
For indoor units only:				FHQ71BUV1B FHQ100BU	IV1B FHQ125BUV1B		
CURRENT	Nominal running current	cooling/heating	Α	See chapter RR-B7, RQ-B7, REQ-B7, RZQ-B			
	Max. running current	cooling/heating	А	See chapter RR-B7, RQ-B7	7, REQ-B7, RZQ-B		

For combination indoor + outdoor units (air cooled):			FHQ71BUV1B	FHQ100BUV1B	FHQ125BUV1B		
				RR71B7V3B/RR71B7W1B	RR100B7V3B/RR100B7W1B	RR125B7W1B	
CURRENT	Nominal running current	cooling	A	See chapter RR-B7			
	Maximum running current	cooling	A	See chapter RR-B7			
	Starting running current	cooling	А		See chapter RR-B7		

For combination	n indoor + outdoor units (air o	cooled):		FHQ71BUV1B RQ71B7V3B/RQ71B7W1B	FHQ100BUV1B RQ100B7V3B/RQ100B7W1B	FHQ125BUV1B RZQ125B7V3B		
CURRENT	Nominal running current	cooling	Α	See chapter RQ-B7				
	Maximum running current	cooling	A		See chapter RQ-B7			
	Starting running current	cooling	A	See chapter RQ-B7				

For combination	on indoor + outdoor units (air o	cooled):		FHQ71BUV1B* RE071B7V3B/RE071B7W1BF	B* FHQ100BUV1B* FHQ12 7W1BREQ100B7V3B/REQ100B7W1B REQ12	
CURRENT	Nominal running current	cooling	А	See chapter REQ-B7		
	Maximum running current	cooling	А		See chapter REQ-B7	
	Starting running current	cooling	А	See chapter REQ-B7		

For combination	on indoor units + outdoor units	:		FHQ71BUV1B RZQ71B7V3B	FHQ100BUV1B RZQ100B7V3B	FHQ125BUV1B RZQ125B7V3B
CURRENT	Nominal running current	cooling/heating	Α			
	Maximum running current	cooling/heating	Α		See chapter RZQ-B	
	Starting current	cooling/heating	А		See chapter RZQ-B	

For indoor units only:			FHQ71BUV1B	FHQ100BUV1B	FHQ125BUV1B
POWER SUPPLY			V1	V1	V1
NOMINAL DISTRIBUTION	Phase		1~	1~	1~
SYSTEM VOLTAGE Frequency	Frequency	Hz	50	50	50
	Voltage	V	220-240	220-240	220-240

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#### NOTES

- Nominal cooling capacities are based on: indoor temperature 27°CDB/19°CWB \* outdoor temperature 35°CDB \* refrigerant piping length: 7.5m \* level difference: 0m.
- 2 Nominal heating capacities are based on: indoor temperature: 20°CDB \* outdoor temperature: 7°CDB/6°CWB \* refrigerant piping length: 7.5m \* level difference 0m.
- 3 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
- The sound pressure level is measured at 1m distance from the unit. It is a relative value, depending on the distance and acoustic environment. For measuring conditions: please refer to item 6 of this chapter.
- The sound power level is an absolute value indicating the "power" which a sound source generates.
- 6 Energy label: scale from A (most efficient) to G (less efficient).
- 7 Annual energy consumption: based on average use of 500 running hours per year at full load (= nominal conditions)

#### **Dimensional drawings** 3

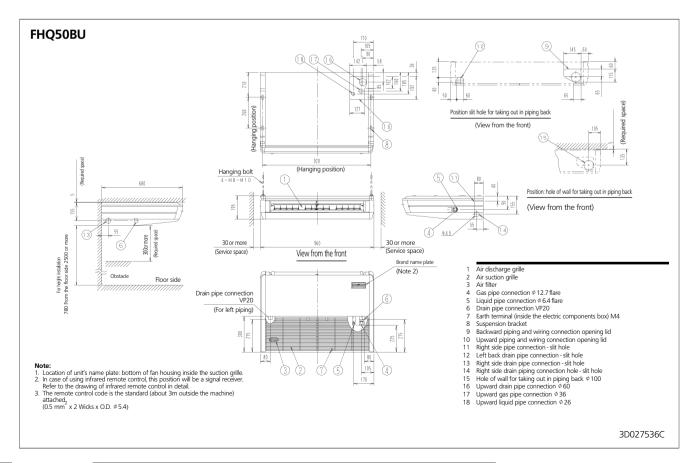
Note: 
1. Location of unit's name plate: bottom of fan housing inside the suction grille 
2. In case of using infrared remote control, this position will be a signal receiver. Refer to the drawing of infrared remote control in detail. 
3. The remote control code is the standard (about 3m outside the machine) attached. 
(0.5 mm  $\times$  2 Wicks  $\times$  O.D.  $\varphi$  5.4)





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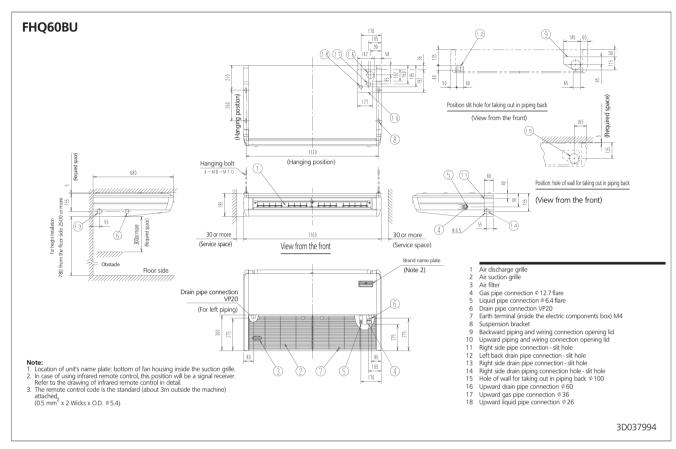
FHQ35BU 13 (1) (1) Position slit hole for taking out in piping back (View from the front) Hanging bolt Position: hole of wall for taking out in piping back T≋\s| (View from the front) Ф45. For height installation the floor side 2500 or r (Service space) (Service space) Brand name plate View from the front (Note 2) Air discharge grille Air suction grille [ 7 ] 1 Alf Gibbary Symme
2 Air suction grille
3 Air filter
4 Gas pipe connection Ø 9.5 flare
5 Liquid pipe connection Ø 6.4 flare
6 Drain pipe connection VP20
7 Earth terminal (inside the electric components box) M4
8 Suspension bracket
9 Backward piping and wiring connection opening lid
10 Upward piping and wiring connection opening lid
11 Right side pipe connection -slit hole
12 Right side drain pipe connection -slit hole
13 Right side drain pipe connection -slit hole
14 Right side drain piping connection hole -slit hole
15 Hole of wall for taking out in piping back Ø 100
16 Upward drain pipe connection Ø 60
17 Upward gas pipe connection Ø 26
18 Upward liquid pipe connection Ø 26 Drain pipe connection VP20 (For left piping)

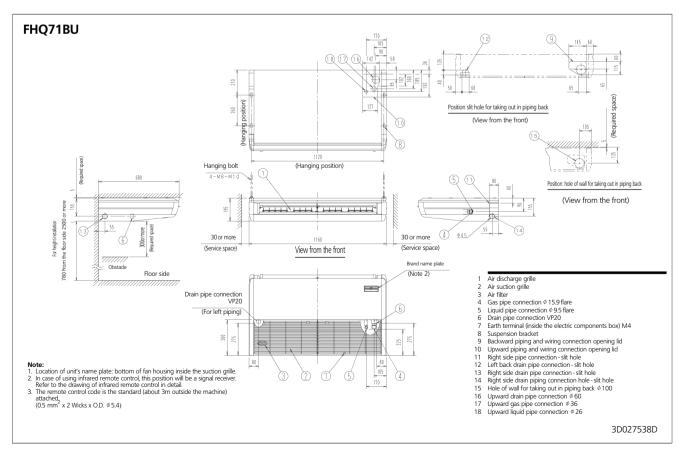


### 3 Dimensional drawings









### **Dimensional drawings**





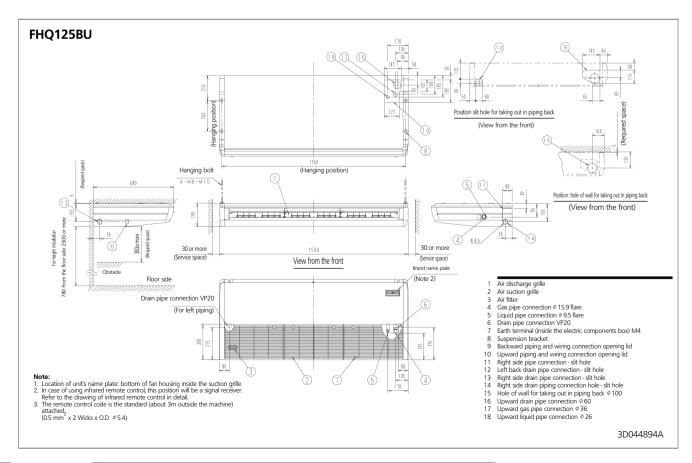
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FHQ100BU **B D B** Position slit hole for taking out in piping back (View from the front) Hanging bolt (Hanging position) Position: hole of wall for taking out in piping back (View from the front) P-----View from the front (Service space) Obstacle Air discharge grille Air suction grille (Note 2) 1 Air discharge yim—
2 Air suction grille
3 Air filter
4 Gas pipe connection ₱15.9 flare
5 Liquid pipe connection ₱15.9 flare
6 Drain pipe connection ₱75.9 flare
7 Earth terminal (inside the electric components box) M4
8 Suspension bracket
9 Backward piping and wiring connection opening lid
10 Upward piping and wiring connection opening lid
11 Right side pipe connection -slit hole
12 Right side drain piping connection -slit hole
13 Right side drain piping connection hole -slit hole
14 Right side drain piping connection hole -slit hole
15 Hole of wall for taking out in piping back ₱100
16 Upward drain pipe connection ₱60
17 Upward gas pipe connection ₱60
18 Upward liquid pipe connection ₱26
18 Upward liquid pipe connection ₱26 Drain pipe connection VP20 (For left piping) Note:

1. Location of unit's name plate: bottom of fan housing inside the suction grille.

2. In case of using infrared remote control, this position will be a signal receiver. Refer to the drawing of infrared remote control in detail.

3. The remote control code is the standard (about 3m outside the machine)

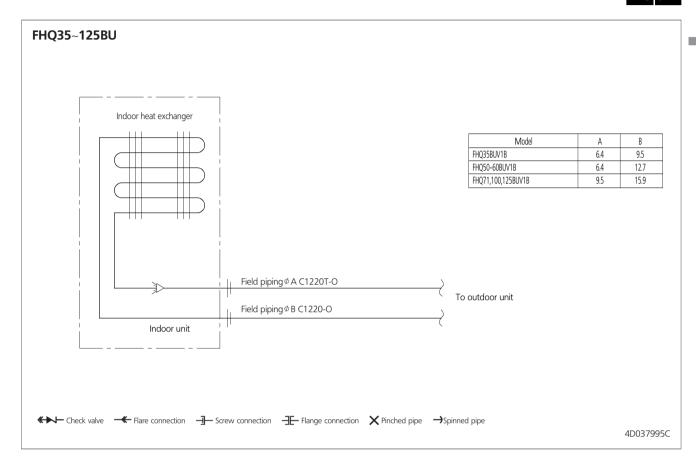


3. The remote control code is the autached, (0.5 mm² x 2 Wicks x O.D. \$\phi\$5.4)

#### 4

### 4 Piping diagrams





### Wiring diagrams 5

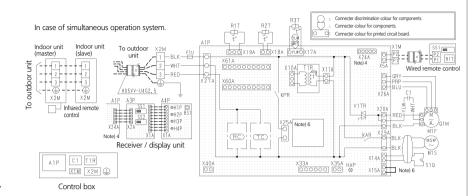




#### FHQ35~60BU

1. IIII : Terminal 💌 , 📗 : Connector : Protective earth (screw)

- \_\_\_\_\_: Field wiring
   In case using central remote control, connect it to the unit in accordance with the attached instruction
- manual.
  X24A is connected when the infrared remote control kit is being used.
  5. Remote control model varies according to the combination system, confirm technical materials and catalogs, etc. before connecting.
  6. In case installing the drain pump (M1P), remove the jumper connector of X15A and execute the additional wiring for float switch and drain pump.
  7. Symbols show as follows Red:red, Blk:black, Ylw.yellow, Org:orange, Gry:gray, Prp:purple, Blu:blue



1-RED, 2-WHITE, 3-BLACK
AIP Pinted circuit board
CIR Capacitor (MIT)
FILI Fuse[Fa 2500)
HAP Light entiting diode (service monit
KAR Magnetic relay (MITs)
KRP Magnetic relay (MITs)
MIS Motor (swing flap)
MIF Motor (indoor fan)
Q1M Thermistor (air)
Themistor (air)
R3T Themistor (coil)
R3T Themistor (coil)2

Limit switch (swing flap) Transformer(220-240V/22V) Phase control circuit Terminal block Terminal block Signal receiver circuit Signal transmission circuit ote control Thermistor (air) Selector switch (main/sub)

remote control
/ display unit
Printed circuit board Printed circuit board
Printed circuit board
Push button (nolefi)
Light emitting doub (service monitor red)
Light emitting doub (service monitor green)
Light emitting doub (service monitor red)
Light emitting doub (service monitor red)
Light emitting doub (service monitor orange)
Selector swirth (ministush)
Selector swirth (wireless address set) for optional parts
Connector (float switch)
Connector (drain pump)
Connector (adapter for wiring)
Connector (group control adapter) Connector (ON/OFF input from outside)

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#### Wiring diagrams 5

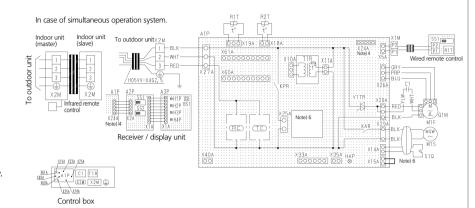




#### FHQ71,100,125BU

- 1. III : Terminal Dea, : Connector ⊕ : Protective earth (screw)
- III: Field wiring In case using central remote control, connect it to the unit in accordance with the attached instruction
- X24A is connected when the infrared remote control kit is being used.

   Remote control model varies according to the
- . Remote control model varies according to the combination system, confirm technical materials and catalogs, etc. before connecting.
  . In case installing the drain pump (M1P), remove the jumper connector of X15A and execute the additional wiring for float switch and drain pump.
  . Symbols show as follows Redred, Blk:black, Ylw:yellow, Org:orange, Gry:gray, Prp:purple, Blu:blue



1-RED, 2-WHITE, 3-BLACK
Printed circuit b
C1R Capacitor (M1
HAP Light emitting of
KAR Magnetic relay
M1S Motor (swing i
M1F Motor (indoor
Q1M Thermostor (air)

white, 3-bullox.
Printed circuit board
Capacitor (M1F)
Light emitting diode (service monitor
Magnetic relay (M1S)
Magnetic relay (M1P)
Motor (swing flap)
Motor (indoor fan)
Thermo switch (M1F embedded)
Thermistor (ai)

Thermistor (air) Thermistor (coil)

Limit switch (swing flap)
Transformer(220-240V/22V)
Phase control circuit
Terminal block
Terminal block

S1Q T1R V1TR X1M X2M RC TC Wired R1T SS1

Thermistor (air) Selector switch (main/sub)

emote control / display unit Printed circuit board

Printed circuit board
Printed circuit board
Push button (rollef)
Light emitting diode (service monitor red)
Light emitting diode (service monitor green)
Light emitting diode (service monitor red)
Light emitting diode (service monitor red)
Light emitting diode (service monitor orange)
Sedector swirth (minimisuh)
Sedector swirth (wireless address set)

A2P A3P BS1 H1P H2P H3P H4P SS1 SS2

for optional parts
Connector (float switch)
Connector (drain pump)
Connector (adapter for wiring)
Connector (group control adapter)

Connector (ON/OFF input from outside)

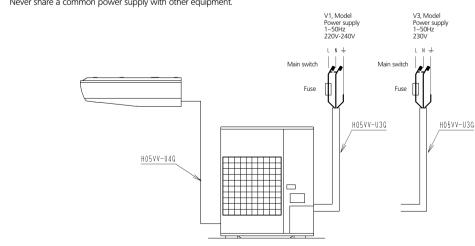
4D043825A

#### FHQ71,100,125BU

#### **NOTES**

Line voltage wiring Control circuit wiring

- All wiring, components and materials to be produced on the site must comply with the applicable local and national codes.
- 3 Use copper conductors only.
- 4 See wiring diagrams for details.
- 5 Install fuse and mainswitch for safety.
- 6 All field wiring and components must be provided by a licensed electrician.
- The unit shall be grounded in compilance with the applicable local and national codes.
- 8 Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific
- 9 Never share a common power supply with other equipment.



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### 6 Sound level

### 6–1 Sound level data



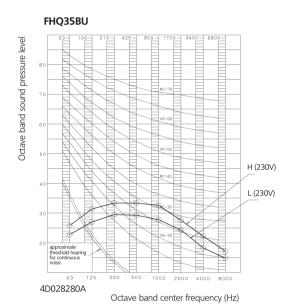


6

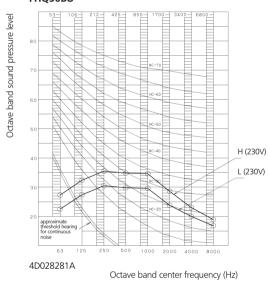
6-1

		Sound pres	sure level			
	23	80V		Sound power level		
Model	50	)Hz	Measuring location			
	H (cooling/heating)	L (cooling/heating)	incusumy location	H (cooling/heating)	L (cooling/heating)	
FHQ35BUV1B	37/37	32/32	Location of microphone	53/53	48/48	
FHQ50BUV1B	38/38	33/33	` <u></u>	54/54	49/49	
FHQ60BUV1B	39/-	33/-	1 1 1	55/-	49/-	
FHQ71BUV1B	39/39	35/35		55/55	51/51	
FHQ100BUV1B	42/42	37/37	Microphone - 📟 - 🗓	58/58	53/53	
FHQ125BUV1B	44/44	39/39	1	60/60	55/55	

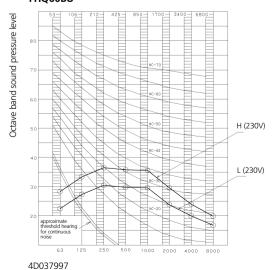
### 6–2 Sound pressure spectrum



#### FHQ50BU



FHQ60BU



### NOTES

- Sound pressure levels are measured in an anechoic room.
- Operation sound levels are valid at nominal operation condition
- Operation sound level differs with operation and ambient conditions.

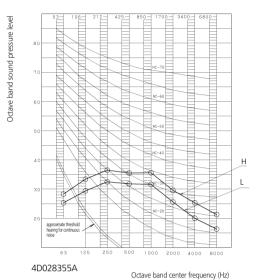
Octave band center frequency (Hz)

### Sound level

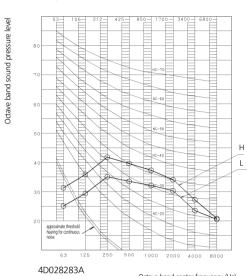


### Sound pressure spectrum

### FHQ71BU

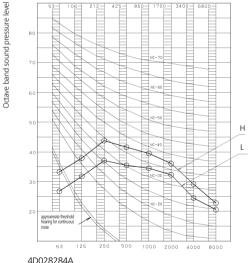


#### FHQ100BU



Octave band center frequency (Hz)

#### FHQ125BU



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Octave band center frequency (Hz)

#### NOTES

- Operation sound is measured in an anechoic
  - Operation sound level differs with operation and
- Sound levels are valid at nominal operation



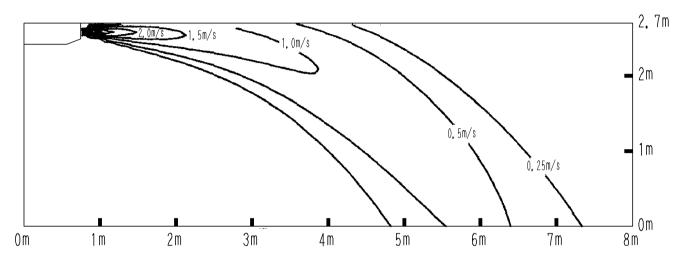


7

#### FHQ35~50BU

Cooling - air velocity distribution

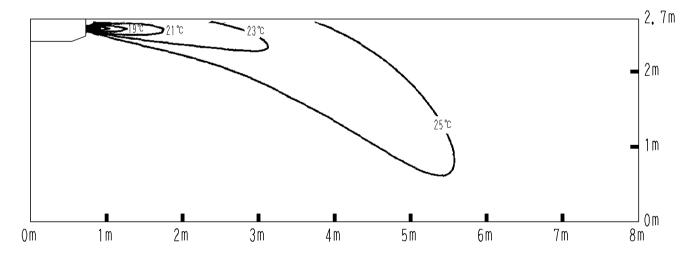
Air flow direction: horizontal



### FHQ35~50BU

Cooling - air temperature distribution

Air flow direction: horizontal



4D028550

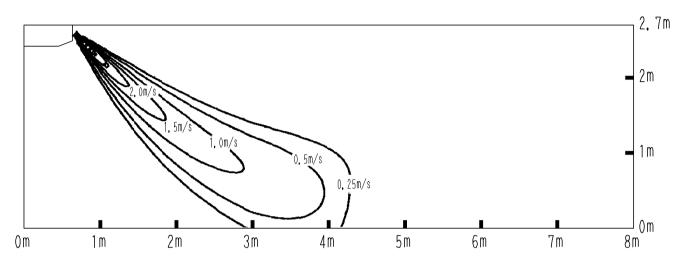




FHQ35~50BU

Heating - air velocity distribution

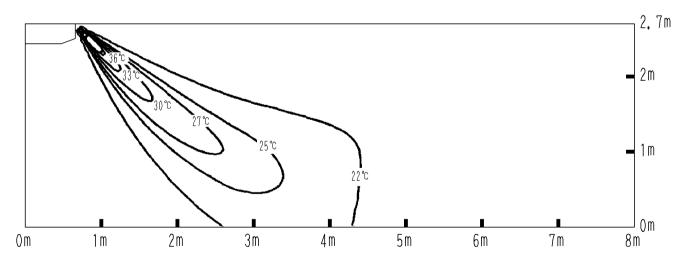
Air flow direction: 45° (downward)



FHQ35~50BU

Heating - air temperature distribution

Air flow direction: 45° (downward)



4D028554



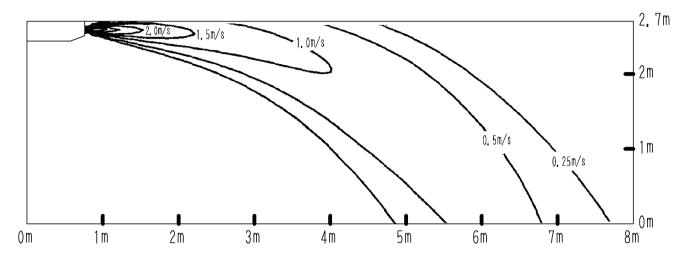


7

#### FHQ60-71BU

Cooling - air velocity distribution

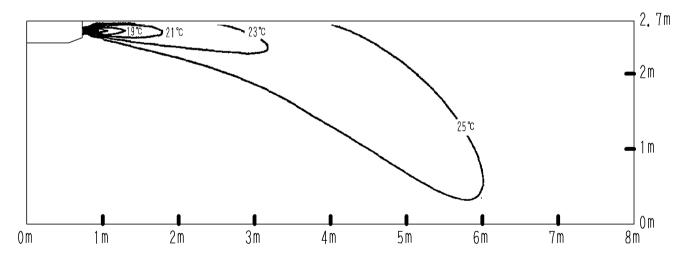
Air flow direction: horizontal



#### FHQ60-71BU

Cooling - air temperature distribution

Air flow direction: horizontal



4D028551A

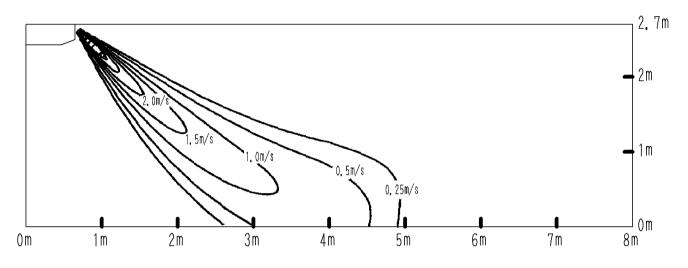




FHQ60-71BU

Heating - air velocity distribution

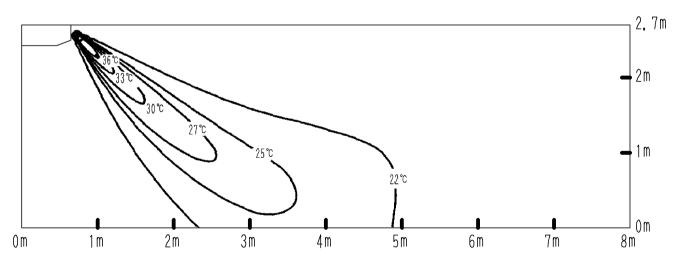
Air flow direction: 45° (downward)



#### FHQ60-71BU

Heating - air temperature distribution

Air flow direction: 45° (downward)



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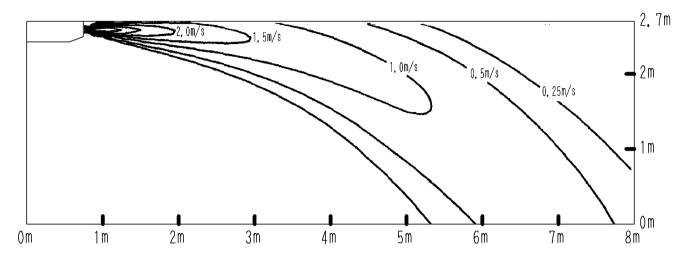


7

### FHQ100BU

Cooling - air velocity distribution

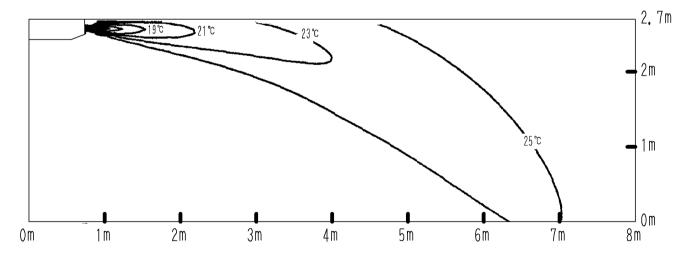
Air flow direction: horizontal



#### FHQ100BU

Cooling - air temperature distribution

Air flow direction: horizontal



4D028552A

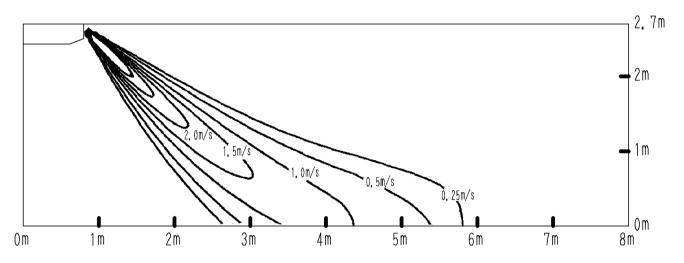




FHQ100BU

Heating - air velocity distribution

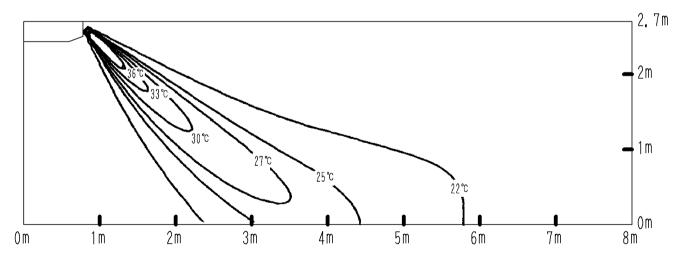
Air flow direction: 45° (downward)



### FHQ100BU

Heating - air temperature distribution

Air flow direction: 45° (downward)



4D028556A



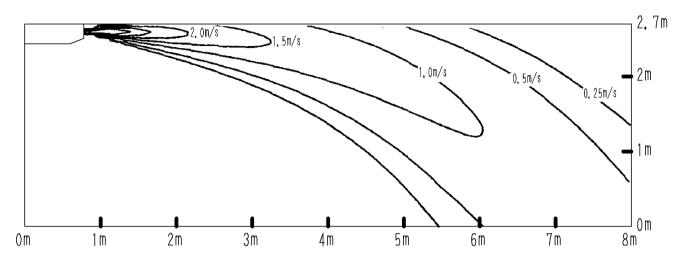


7

#### FHQ125BU

Cooling - air velocity distribution

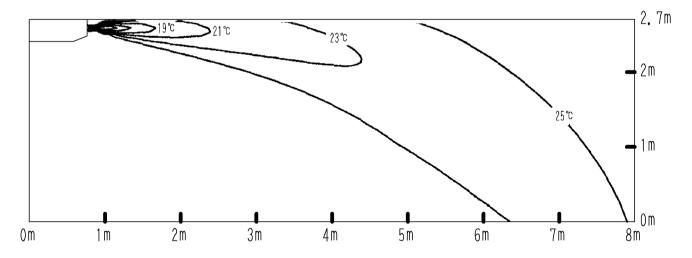
Air flow direction: horizontal



#### FHQ125BU

Cooling - air temperature distribution

Air flow direction: horizontal



4D028553A

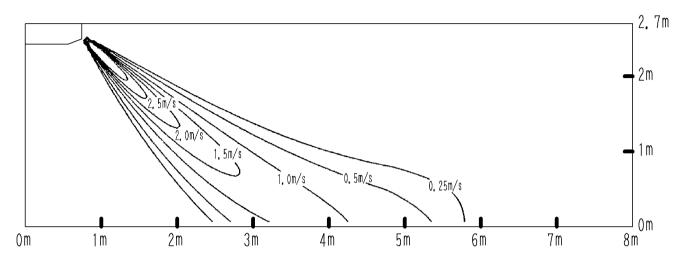




FHQ125BU

Heating - air velocity distribution

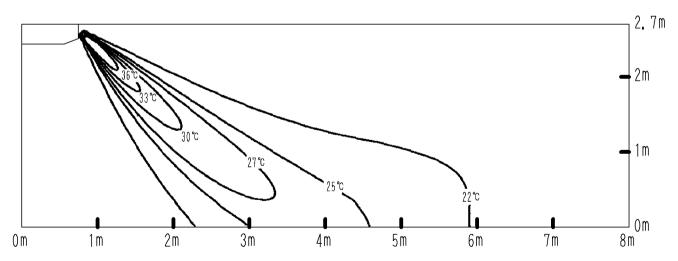
Air flow direction: 45° (downward)



#### FHQ125BU

Heating - air temperature distribution

Air flow direction: 45° (downward)



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### 8 Accessories

### 8–1 Optional accessories





### 8 FI

#### FHQ35~60BU

8-1 Name of ention

Name of option				FHQ~BUV1B		
			35	50	60	
Replacement long-life filter			KAFJ5	01D56	KAFJ501D80	
Drain up kit				KDU50M60VE		
L-type piping kit (for upward di	rection)		KHFP5M35	KHFPS	5M63	
Remote control	mote control Wired type			BRC1D527		
	Infrared type	Heat pump		BRC7E63W		
		Cooling only		BRC7E66		
Central remote control	·	·		DCS302C51		
Unified ON/OFF control				DCS301B51		
Schedule timer				DST301B51		
Adapter for wiring				KRP1B54		
Wiring adapter (hour meter)				EKRP1B2		
Adaptor for external ON/OFF an	nd monitoring <b>※</b> 1			KRP4A52		
Interface adapter for Sky Air ser	ries			DTA112B51		
Installation box for adapter PCB	}			KRP1C93		
Remote ON/OFF, forced OFF				EKRORO		

Note ×1: Installation box for adapter PCB (KRP1C93) is necessary.

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### FHQ71~125BU

Name of option				FHQ~BUV1B		
			71	100	125	
Replacement long-life filter			KAFJ501D80	KAFJ501D112	KAFJ501D160	
Drain up kit	kit KDU50M125VE					
L-type piping kit (for upward direc	ction)	KHFP5M160				
Remote control	mote control Wired type			BRC1D527		
	Infrared type	Heat pump		BRC7E63W		
		Cooling only		BRC7E66		
Central remote control				DCS302C51		
Unified ON/OFF control				DCS301B51		
Schedule timer				DST301B51		
Adapter for wiring				KRP1B54		
Wiring adapter for electrical appea	ndices *1			KRP4A52		
Interface adapter for Sky Air series	S			DTA112B51		
Installation box for adapter PCB				KRP1C93		
Remote sensor				KRCS01-1		
Connector for forced on, forced off			EKRORO			
Electrical box with earth terminal	(3 blocks)			KJB311A		
Electrical box with earth terminal	(2 blocks)			KJB212A		

Note 💥 1: Installation box for adapter PCB (KRP1C93) is necessary.

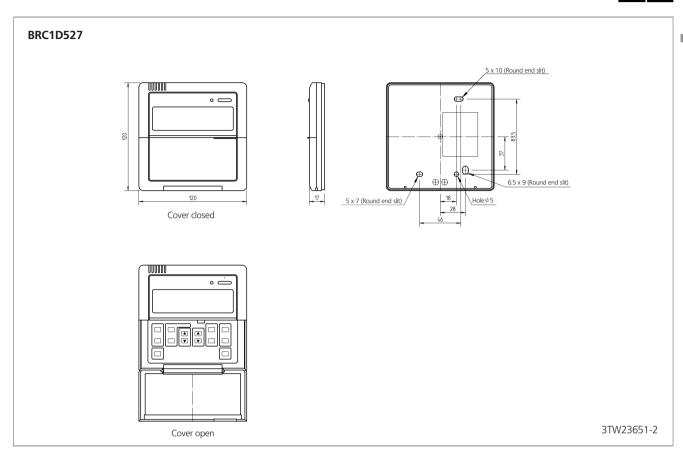
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### 9 Control systems

## ※

# 头

### 9–1 Wired remote control



### 10 Safety device settings

### FHQ35~60BU

Model	Safety devices	35	50	60	71	100	125
	Fuse	250V 5A					
FHQ-BUV1B	Fan motor thermal protector (°C)	Off: 130 ±5 On: 83 ±20					

3D006611H